



## 2004 PSN National Conference

# Strategic Use of Crime Mapping in the Southern District of Florida

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Southern District of Florida



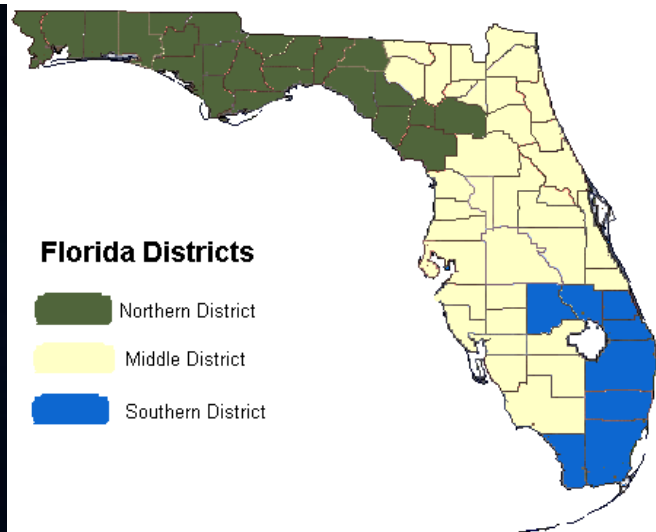
# Overview

- Strategic Approach on District Wide Level
  - The Southern District of Florida
- Using GIS to Quilt Together Information
  - Building the Foundation
  - Strategically Using the Information
  - Challenges & Unexpected Benefits
- Next Steps

# Framework

Defendants





# Southern District of Florida

- 9 Counties
- Population: 5.7 million (34% of FL population)
- Number of Jurisdictions rpt. to UCR in '02: 150
  - Murder: 356 (39% of FL total)
  - Robbery: 14,702 (45% of FL total)
  - Agg. Assaults: 30,945 (35% of FL total)

# Regional Approach

- Divided the Southern District into 4 regions
  - South Miami Dade and Monroe County
  - North Miami Dade
  - Broward
  - Palm Beach and the Northern Counties
- Established regional task forces – about 50 members from Law Enforcement and Community Groups
- Strategic Planning Exercise



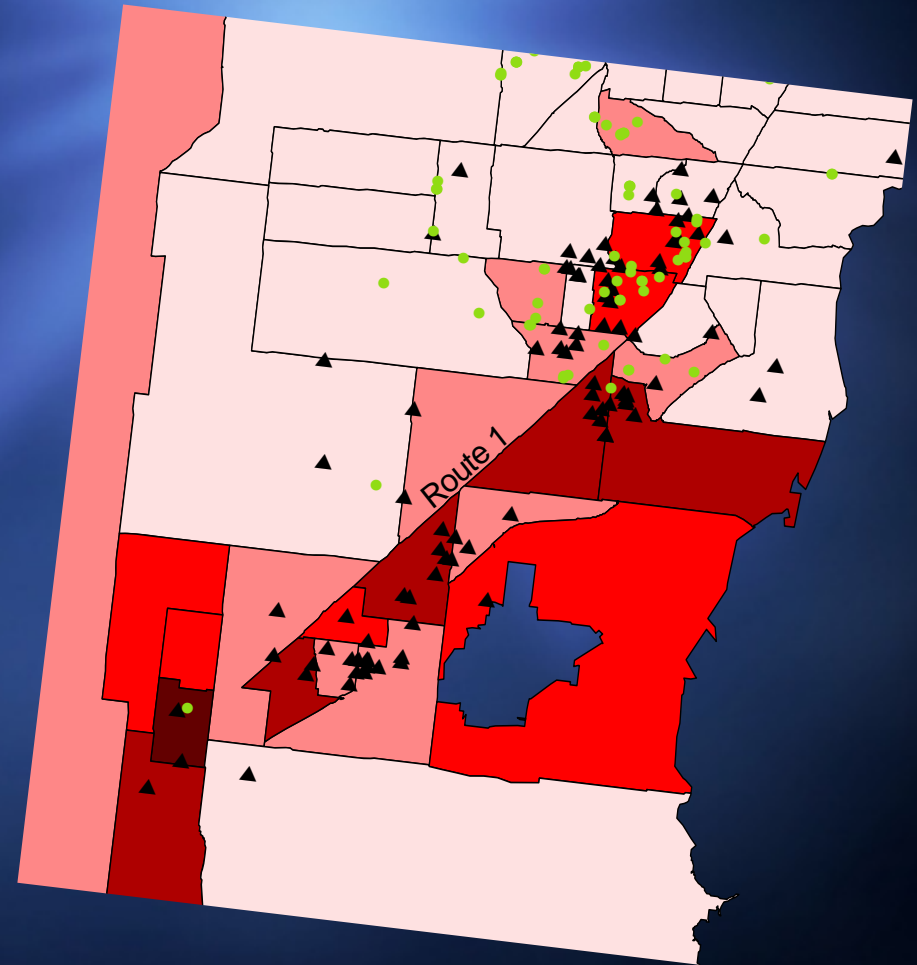
# Data Source Identification

- Offender Data
  - Incident Types
  - Demographic Information
  - Arrest Information
  - Prosecution Data
  - Court Data
  - Inmate/ Probation & Parole Data
- Victim Data
  - Medical Examiner Reports on Homicides
  - Demographic Info
  - Calls for Service Data
  - Injury Reports
  - Incident Reports



# Quilting the Data Together

- Location Data
  - Incident locations & types
  - Arrest locations
  - Land Use data
  - Census Data
  - School Data
  - Observation Data
  - Weapon Recovery Locations



# Central Points of Data in Miami-Dade County

- 37 Law Enforcement Entities



State's Attorney Office –  
Arrests for Gun Offenses

Medical Examiner (VISS) -  
Homicides



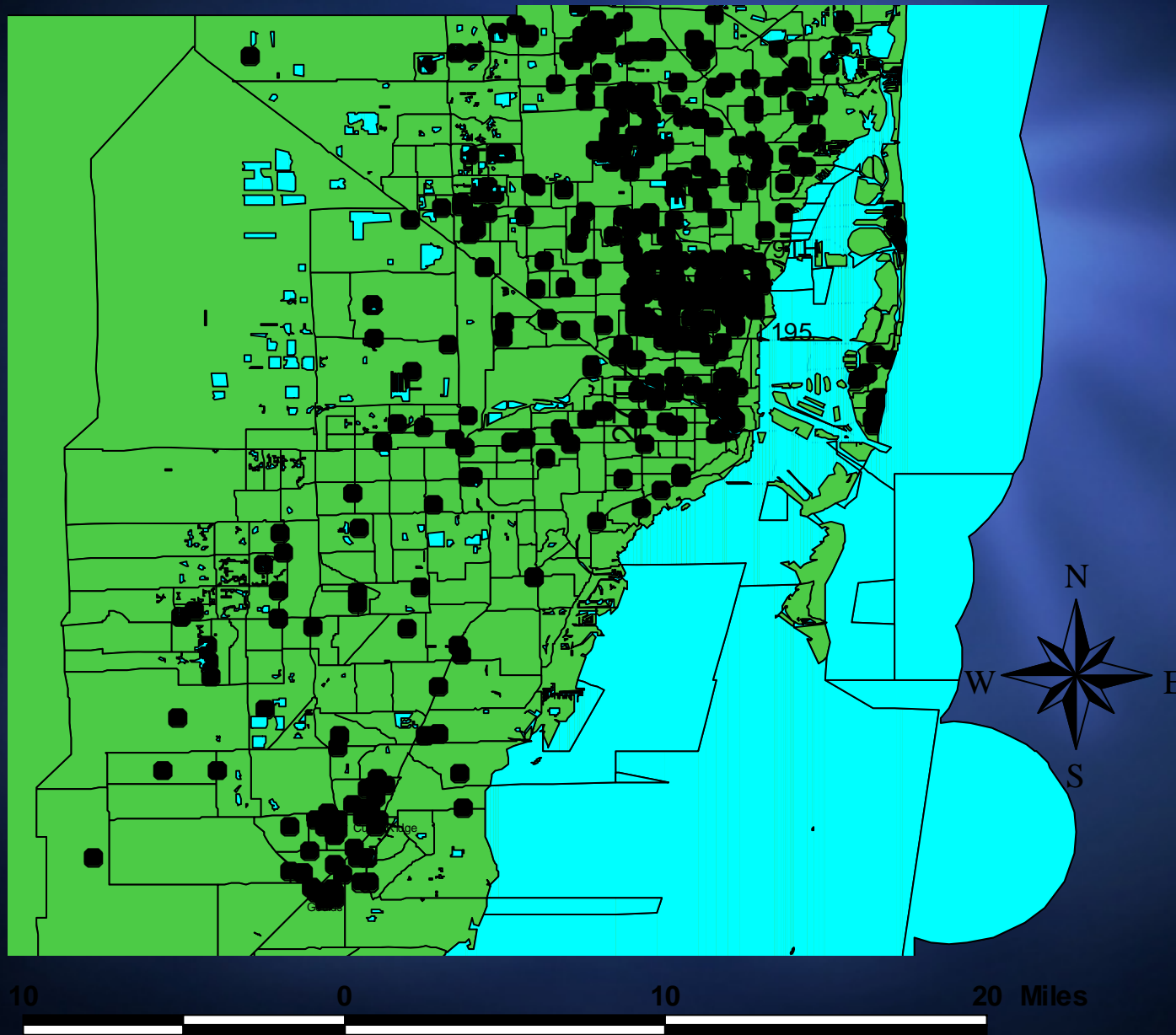
# Arrests in Dade County

## April 1, 2003 – March 31, 2004

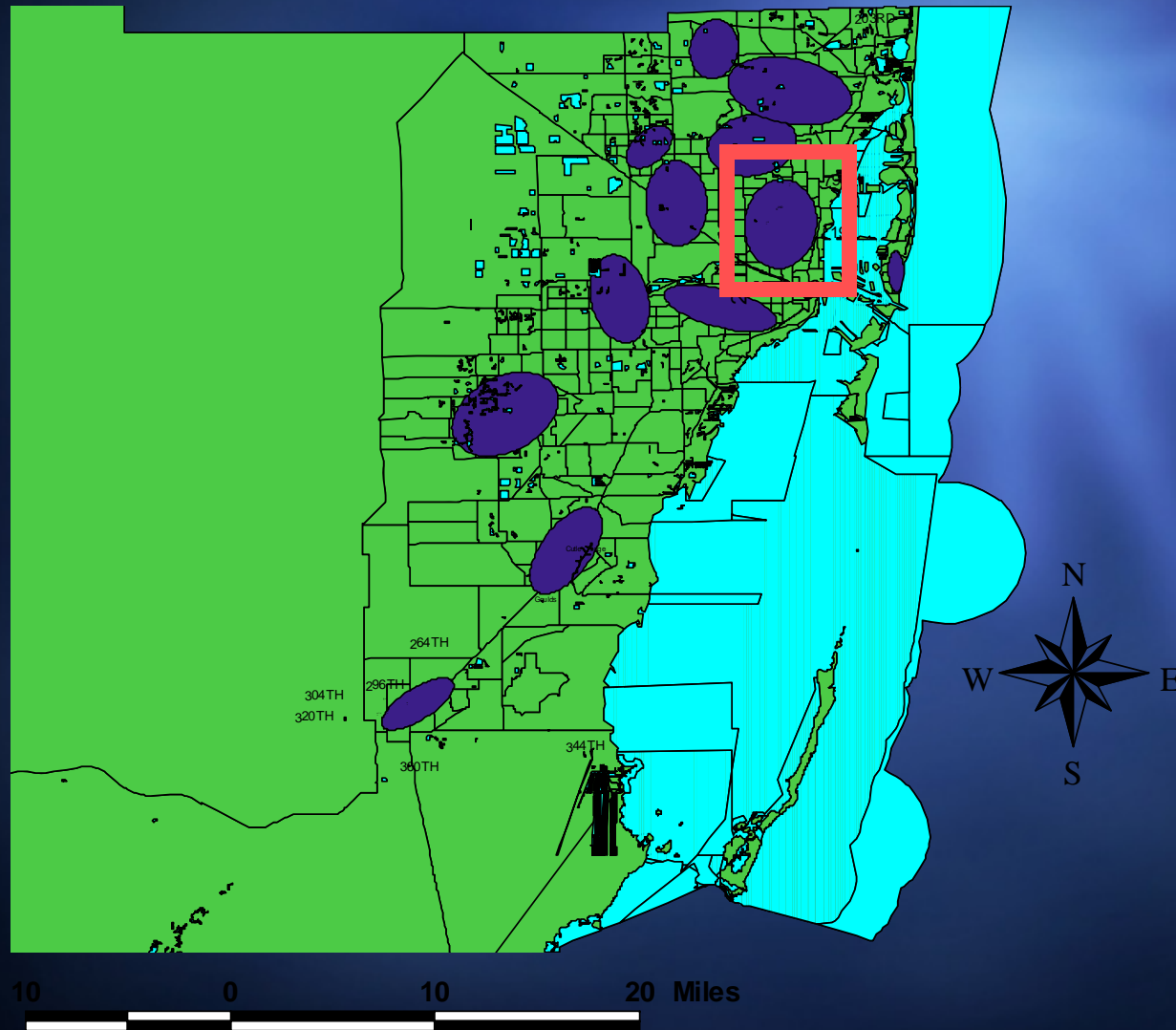
- 1,459 firearm involved cases with a total of 2,480 charged offenses
  - Armed Robbery – 354 cases
  - Aggravated Assault with a Firearm - 280 cases
  - Felon in Possession – 181 cases



# Miami Dade Arrests for a Firearm-Related Offense



# Hotspots of Arrests for a Firearm-Related Offense

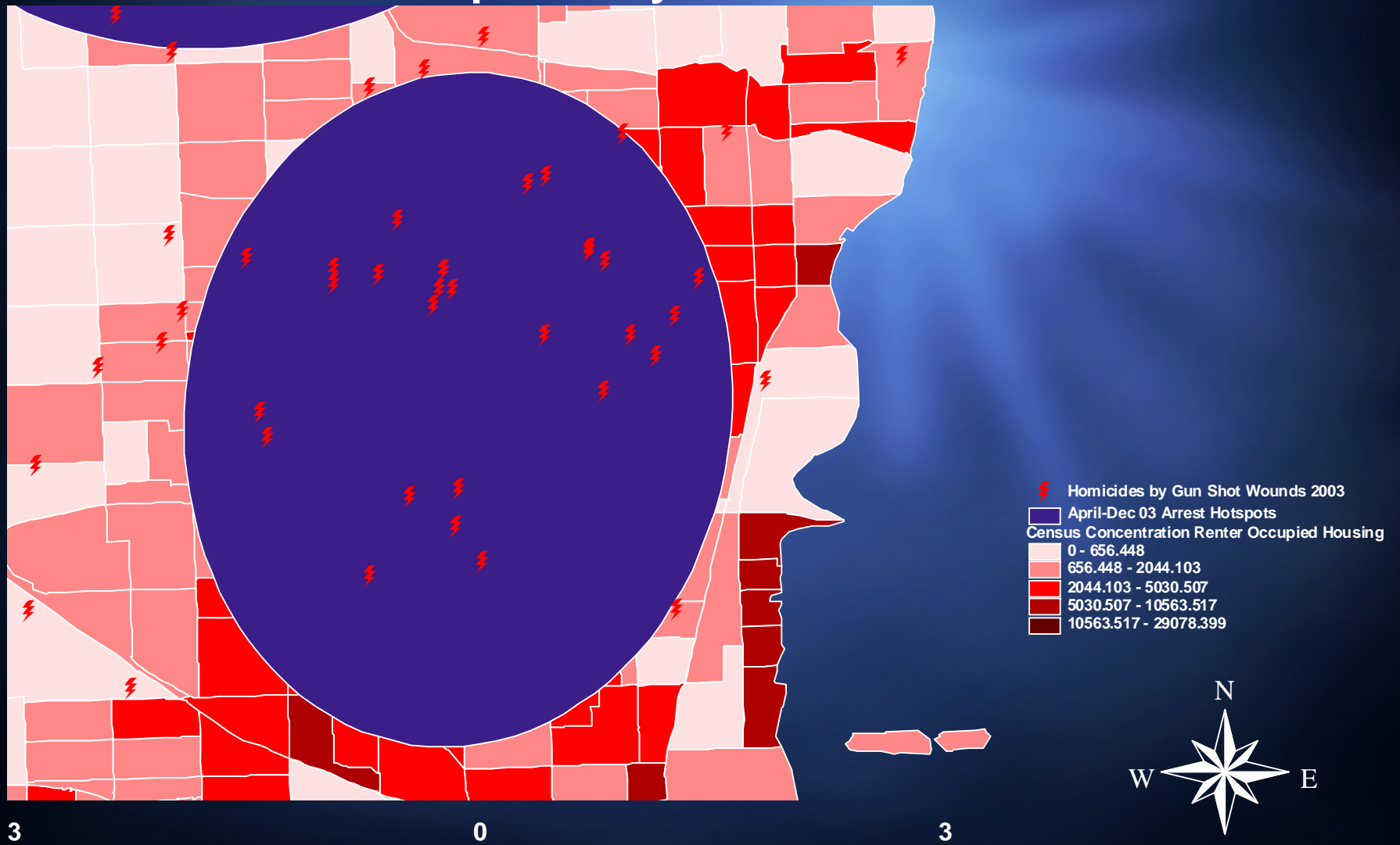


# Liberty City: Part 1

# Liberty City Hotspot

## April 1, 2003 - March 31, 2004

### Homicides Reported by ME











# Frequency Distribution of A Form Charges

Liberty City Hotspot, April 1, 2003 to March 31, 2004

A-Form Charges	# in Liberty City Hotspot	% of Total Charges
<b>CCF</b>	<b>95</b>	<b>16%</b>
<b>Armed Robbery</b>	<b>86</b>	<b>14%</b>
<b>Aggravated Assault</b>	<b>82</b>	<b>14%</b>
<b>Possession by a felon</b>	<b>60</b>	<b>10%</b>

Source: Miami Dade State Attorney

# Liberty City Hotspot

## April 1, 2003 - March 31, 2004

### Arrest for Firearms Related Offenses



Source: Miami-Dade State Attorney's Office arrest data as analyzed by 21st Century Solutions, Inc.

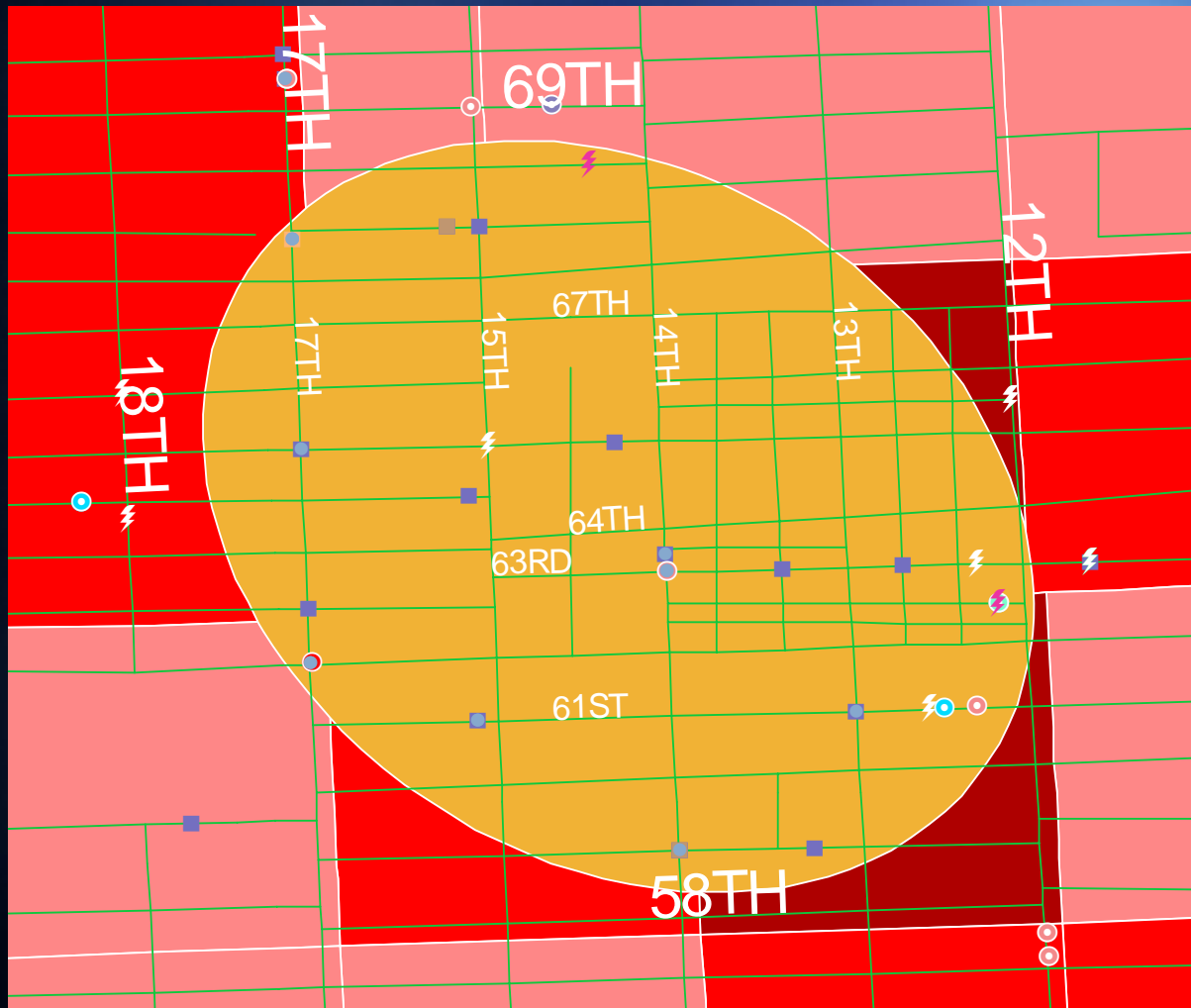
# Liberty City Hotspot Armed Robbery Arrests April 1, 2003 - March 31, 2004



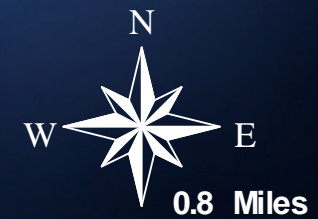
Source: Miami Dade State Attorney Data as analyzed by 21st Century Solutions, Inc.



# Hot Spot #7 of App. 50 Square Blocks April 1, 2003 - March 31, 2004



- ⚡ Homicides by Gun Shot Wounds 2003
- Apr 03-Mar 04 Offense Hotspots
- 🔪 Murder
- ⚡ Attempted Murder
- 🔪 Manslaughter
- 🔪 Aggravated Assault
- 🔪 Aggravated Battery
- 🔪 Armed Aggravated Stalking
- 🔪 Armed Carjacking
- 🔪 Armed Home Invasion
- 🔪 Armed Kidnapping
- 🔪 Armed Robbery
- 🔪 Armed Sexual Battery
- 🔪 Discharging FA
- 🔪 Throwing a Deadly Missile
- CCF
- Poss of FA Com. of Felony
- Poss of FA by a minor
- Poss of FA with altered Serial Number
- 🔪 Armed Burglary
- 🔪 Possession by a felon
- 🔪 Possession of Short Barrell Shotgun
- 🔪 Armed Trespass
- 🔪 Other
- 🔪 Miami street.shp
- Year 1 Offense Hotspots (nearest neighbor a
- Census Concentration Renter Occupied Housing
- 0 - 656.448
- 656.448 - 2044.103
- 2044.103 - 5030.507
- 5030.507 - 10563.517
- 10563.517 - 29078.399



0.4

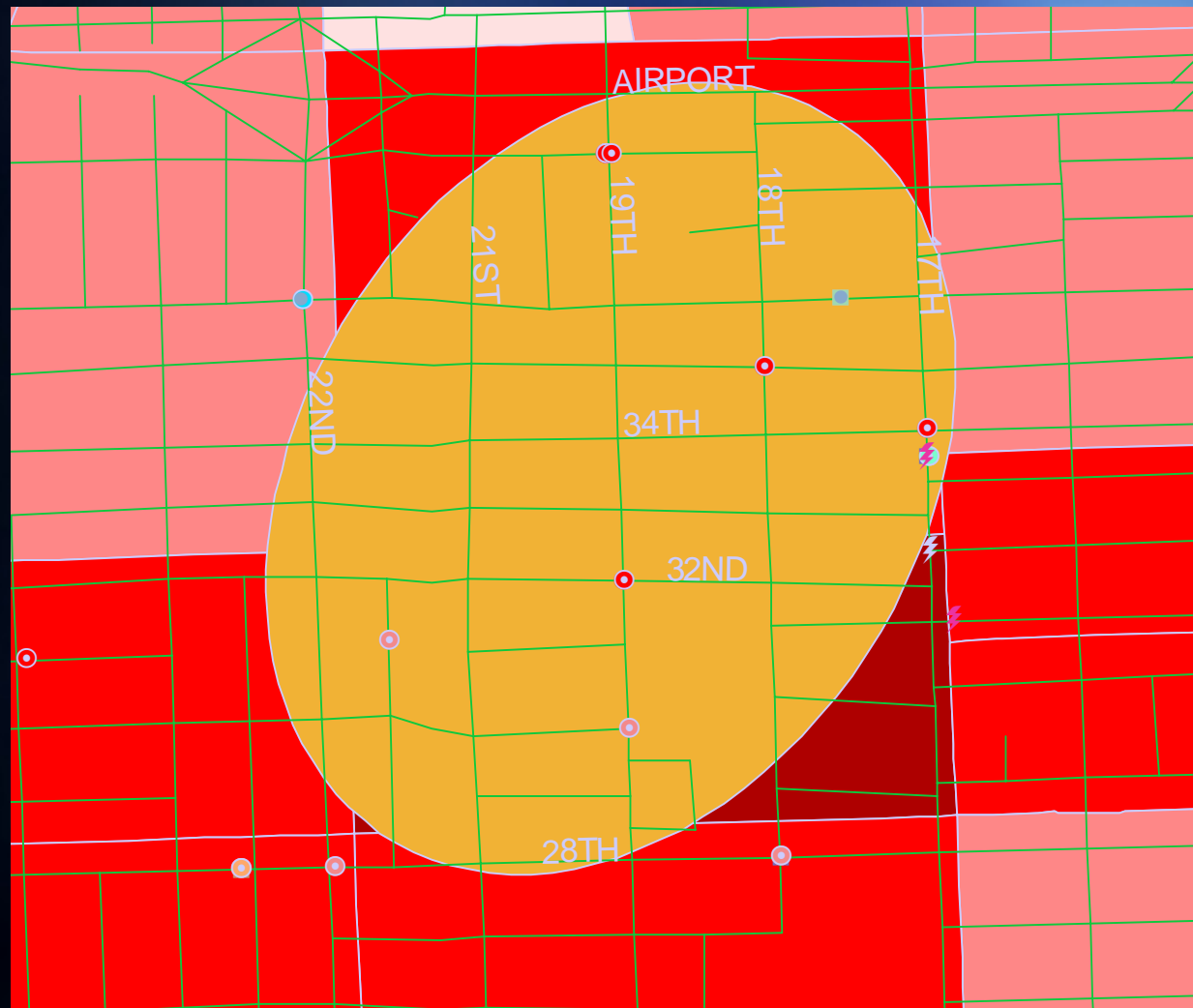
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# Hotspot #7 Land Use



# Hot Spot #8 of App. 50 Square Blocks April 1, 2003 - March 31, 2004



- ⚡ Homicides by Gun Shot Wounds 2003
- Apr 03-Mar 04 Offense Hotspots
- 🔪 Murder
- 🔪 Attempted Murder
- 🔪 Manslaughter
- 🔪 Aggravated Assault
- 🔪 Aggravated Battery
- 🔪 Armed Aggravated Stalking
- 🔪 Armed Carjacking
- 🔪 Armed Home Invasion
- 🔪 Armed Kidnapping
- 🔪 Armed Robbery
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- 🔪 Armed Trespass
- Other
- 📍 Miami street.shp
- 🔹 Year 1 Offense Hotspots (nearest neighbor a Census Concentration Renter Occupied Housing)
- 0 - 656.448
- 656.448 - 2044.103
- 2044.103 - 5030.507
- 5030.507 - 10563.517
- 10563.517 - 29078.399



0.5

0

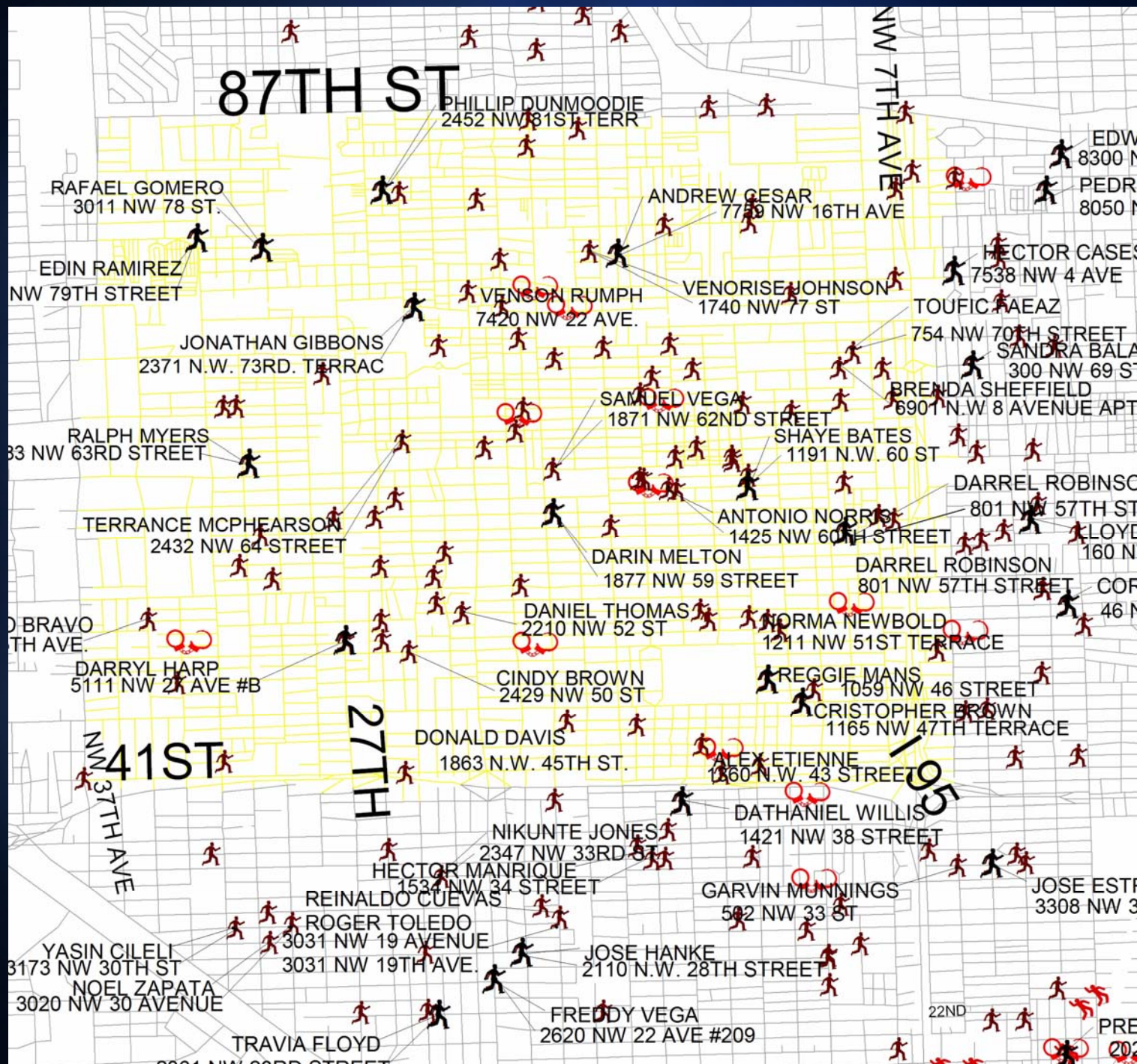
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1 Mil

# Florida's Laws

- The “Gort Law”
  - Defines
    - Habitual Felony Offender
    - Habitual Violent Felony Offender,
    - Three Time Violent Felony Offender
    - Violent Career Criminal
- Prison Releasee Reoffenders Act
  - Previously incarcerated defendants shall be subject to mandatory minimum sentencing if they are convicted of a specified felony offense within 3 yrs after their release from state prison, while serving a prison sentence or while in an “escaped” status





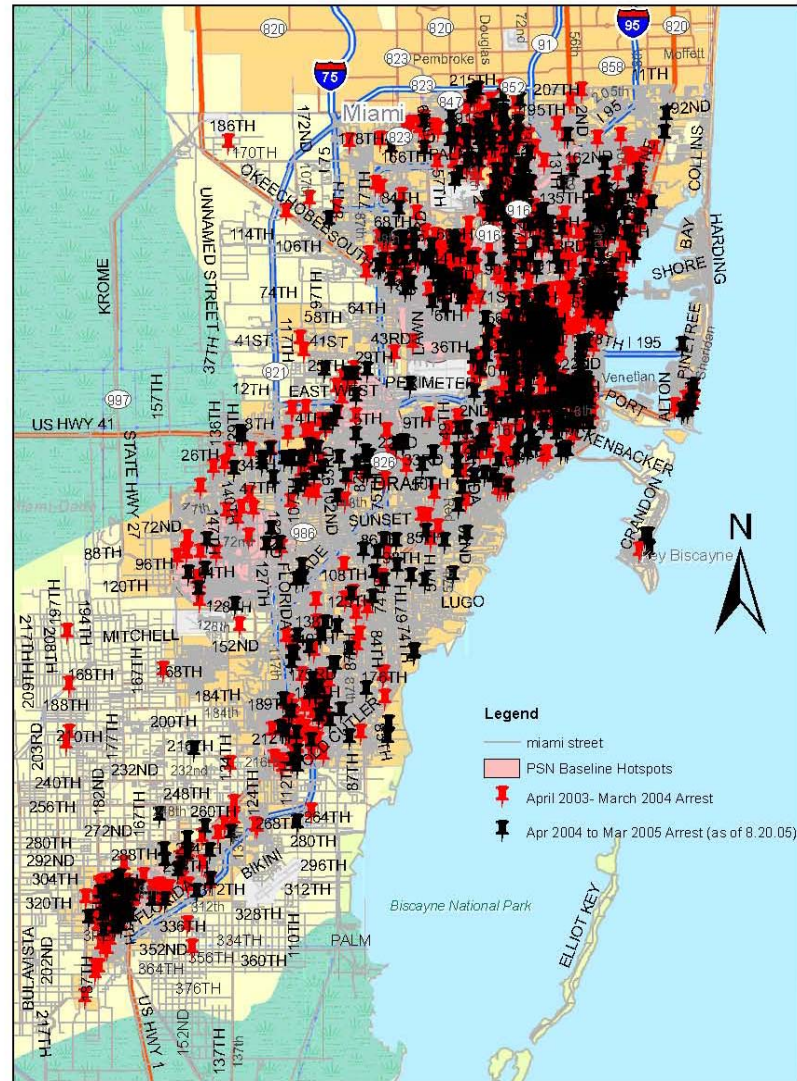


# Liberty City: Part 2

# Incident Locations for Gun Arrests

Tracked by Miami Dade State Attorney Strike Force

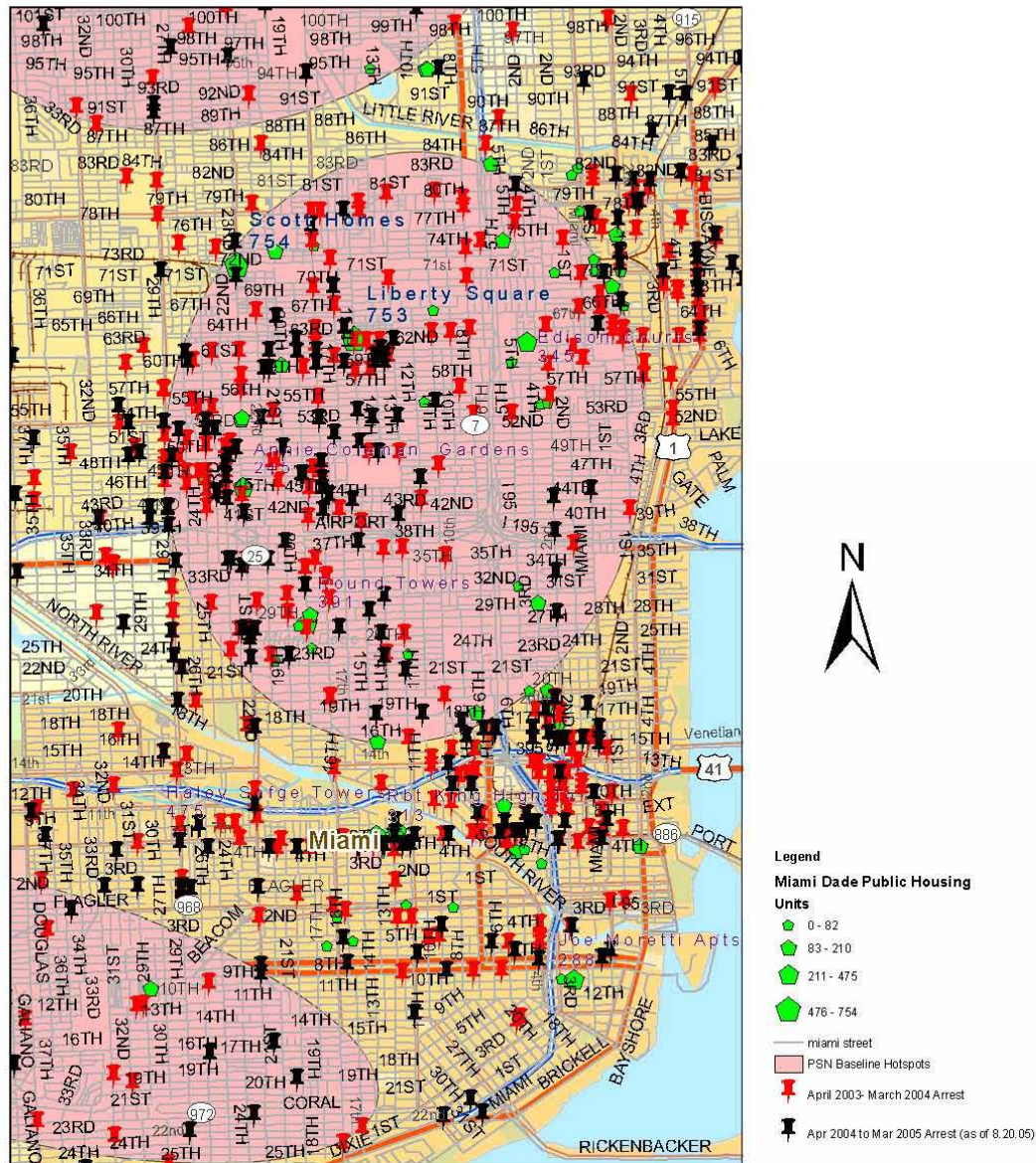
Apr. 2003 - Mar. 2005





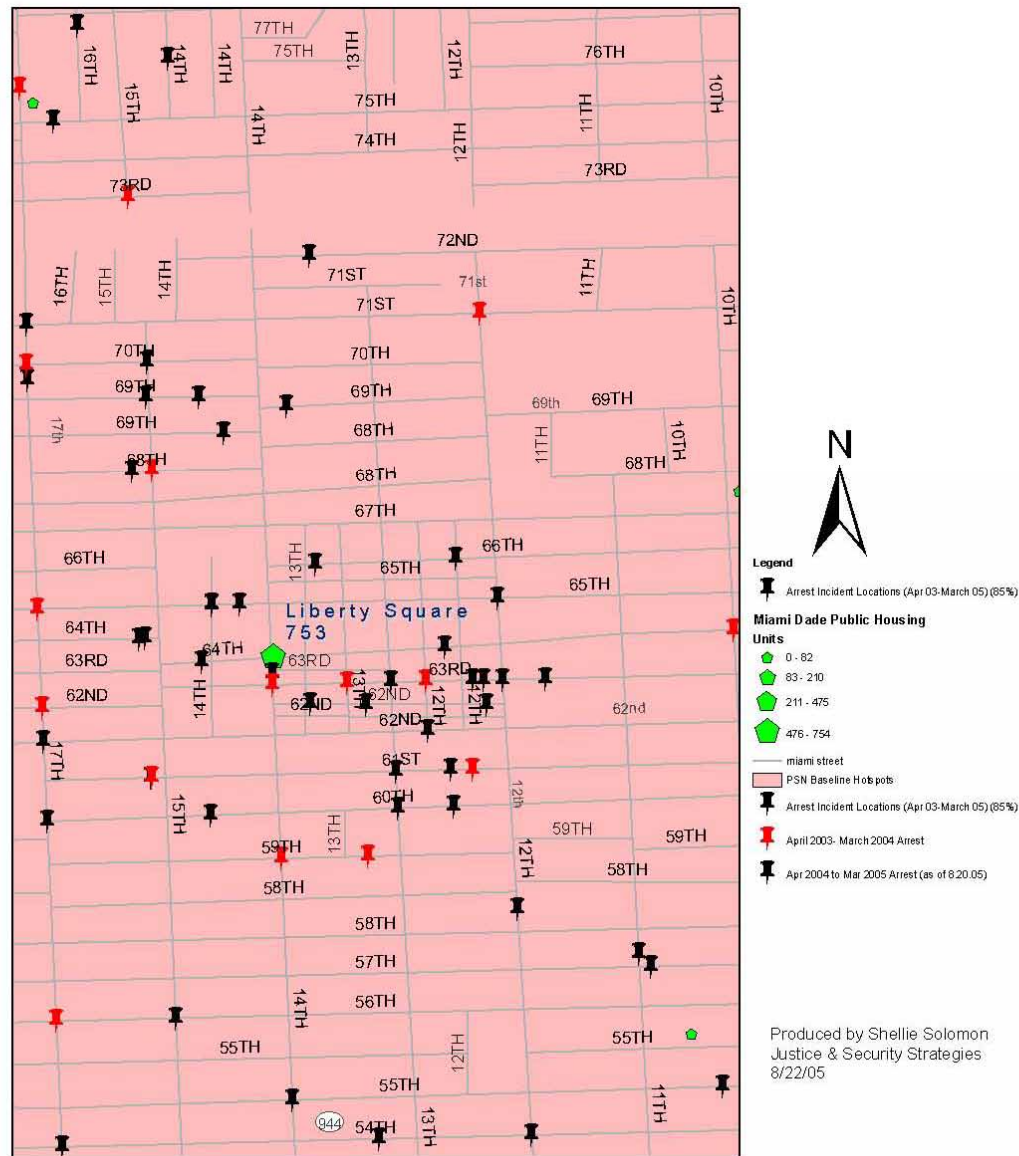
# Incident Locations for Gun Arrests in Liberty City Area

Tracked by Miami Dade State Attorney Strike Force  
Apr. 2003 - Mar. 2005



# Incident Locations for Gun Arrests in Liberty Square Area

Tracked by Miami Dade State Attorney Strike Force  
Apr. 2003 - Mar. 2005

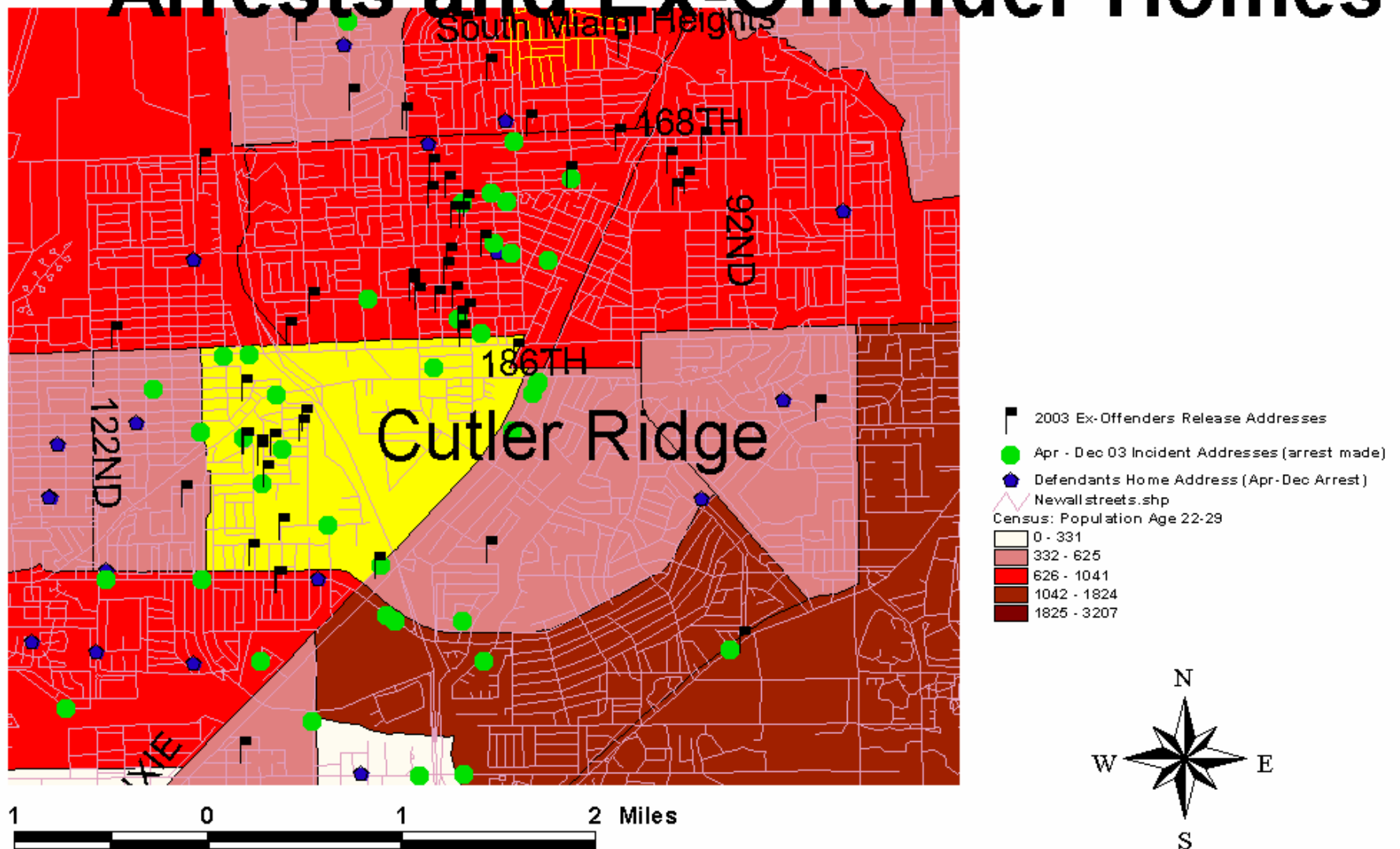


# South Dade Questions...



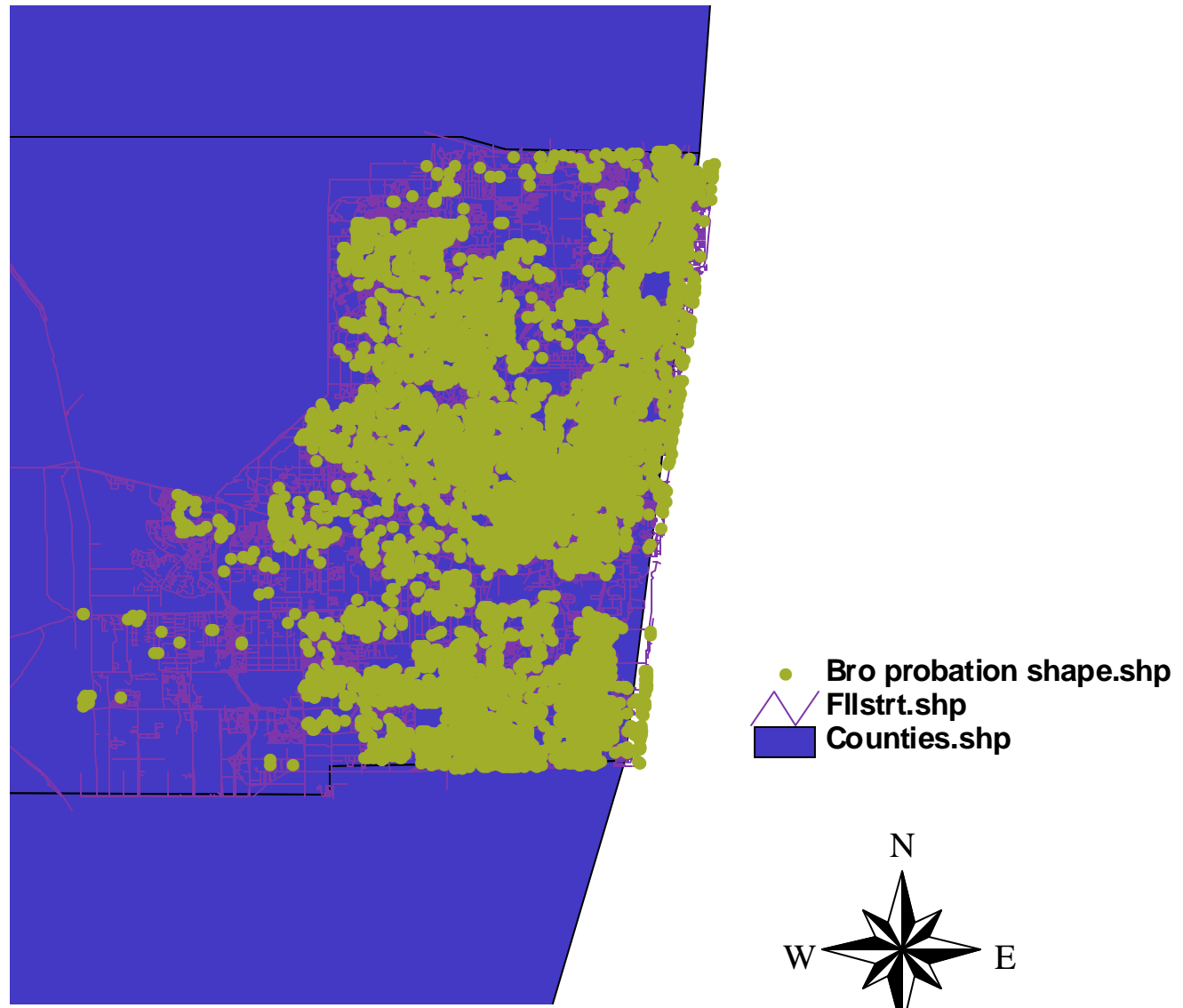
# Census Tract 10206 - Cutler Ridge

## Arrests and Ex-Offender Homes

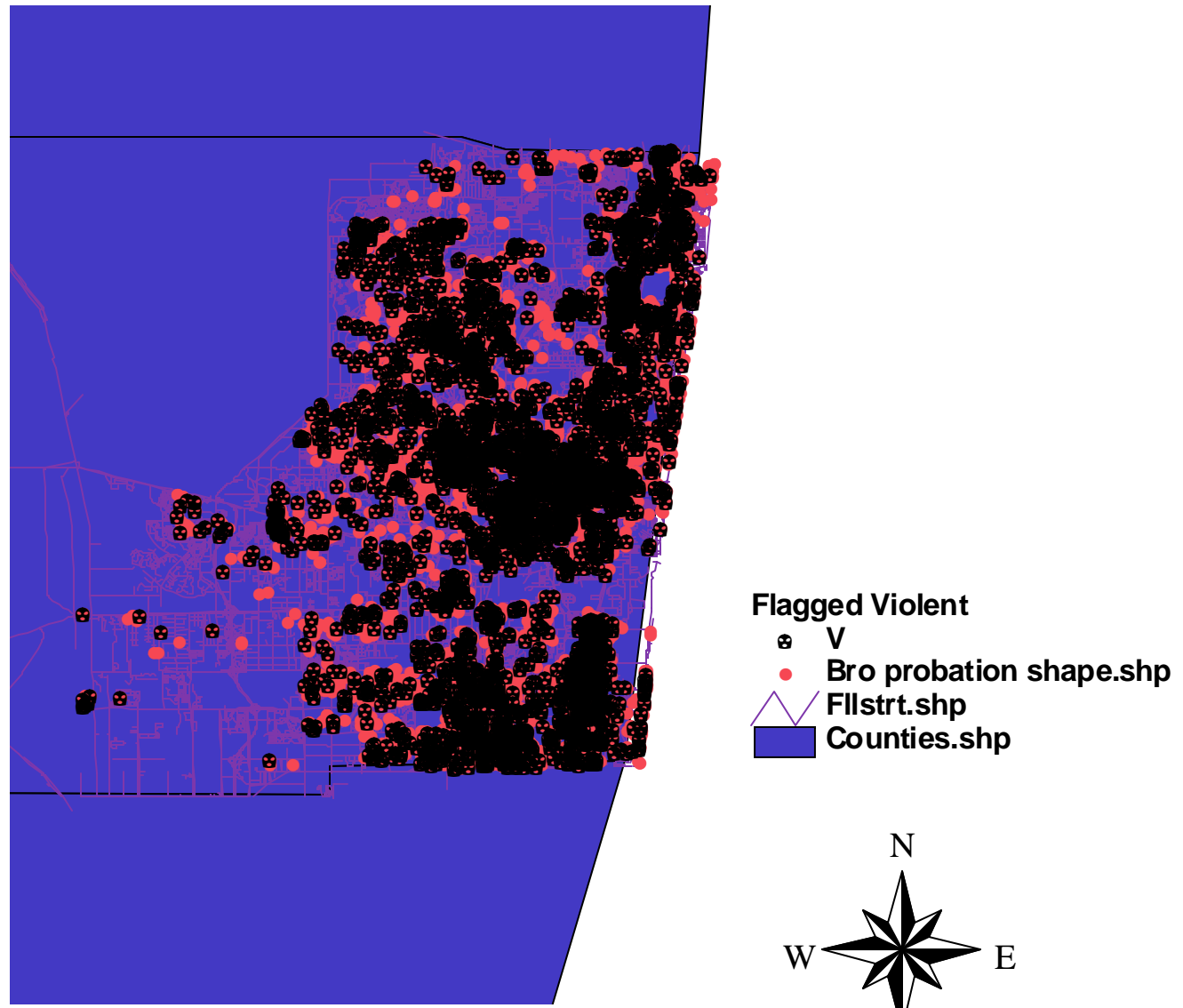


# Broward Probation Issues...

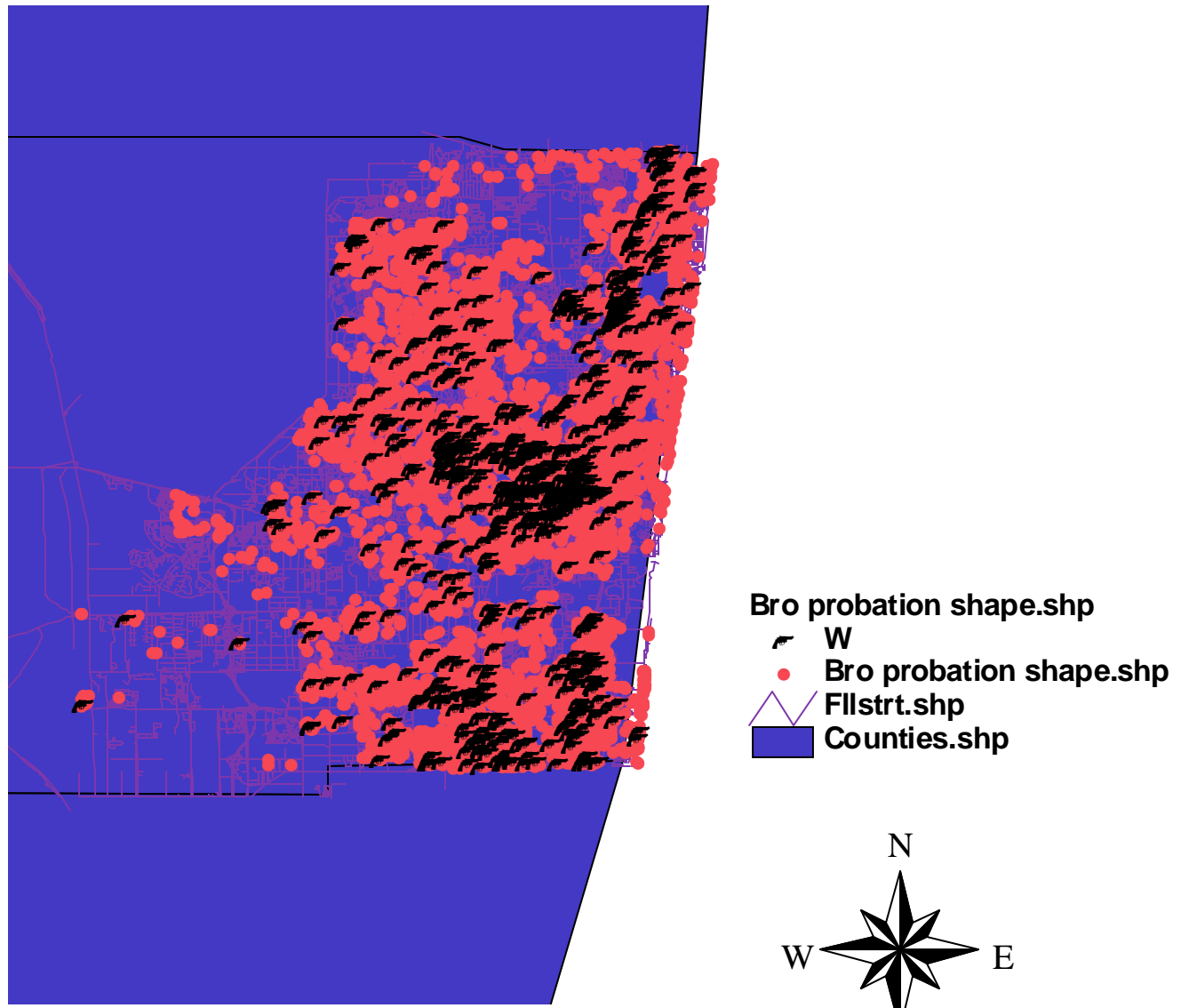
# Home Addresses of Individuals on Probation or Parole



# Home Addresses of Individuals on Probation or Parole Flagged Violent (n=app 4,000)

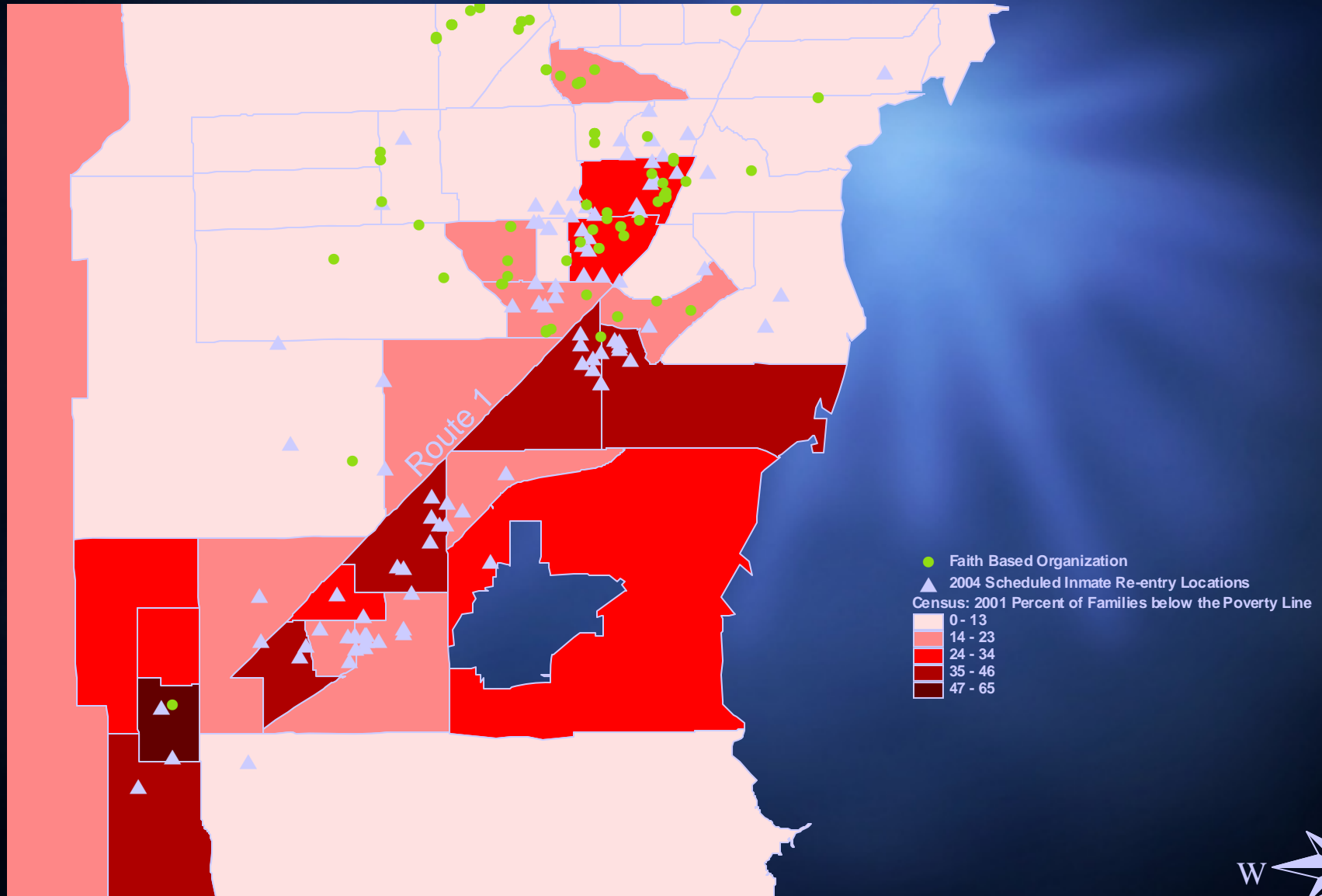


# Home Addresses of Individuals on Probation or Parole Flagged Weapons (n=app 750)



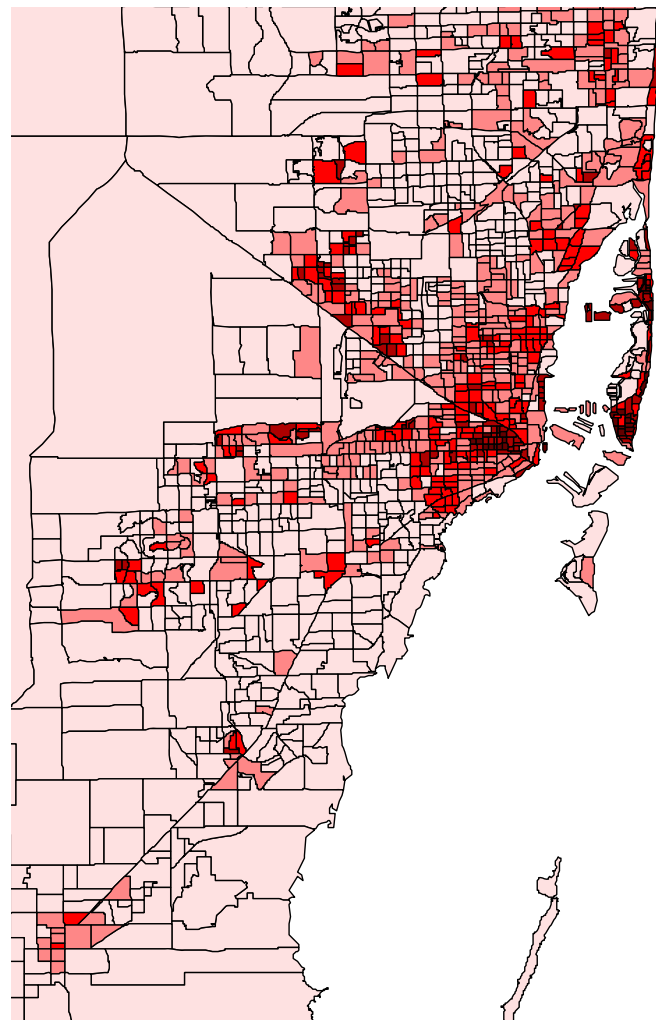


# Offender Re-Entry Outreach Program

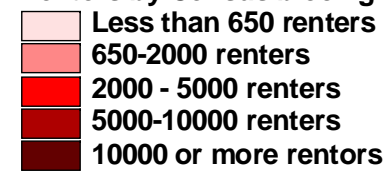


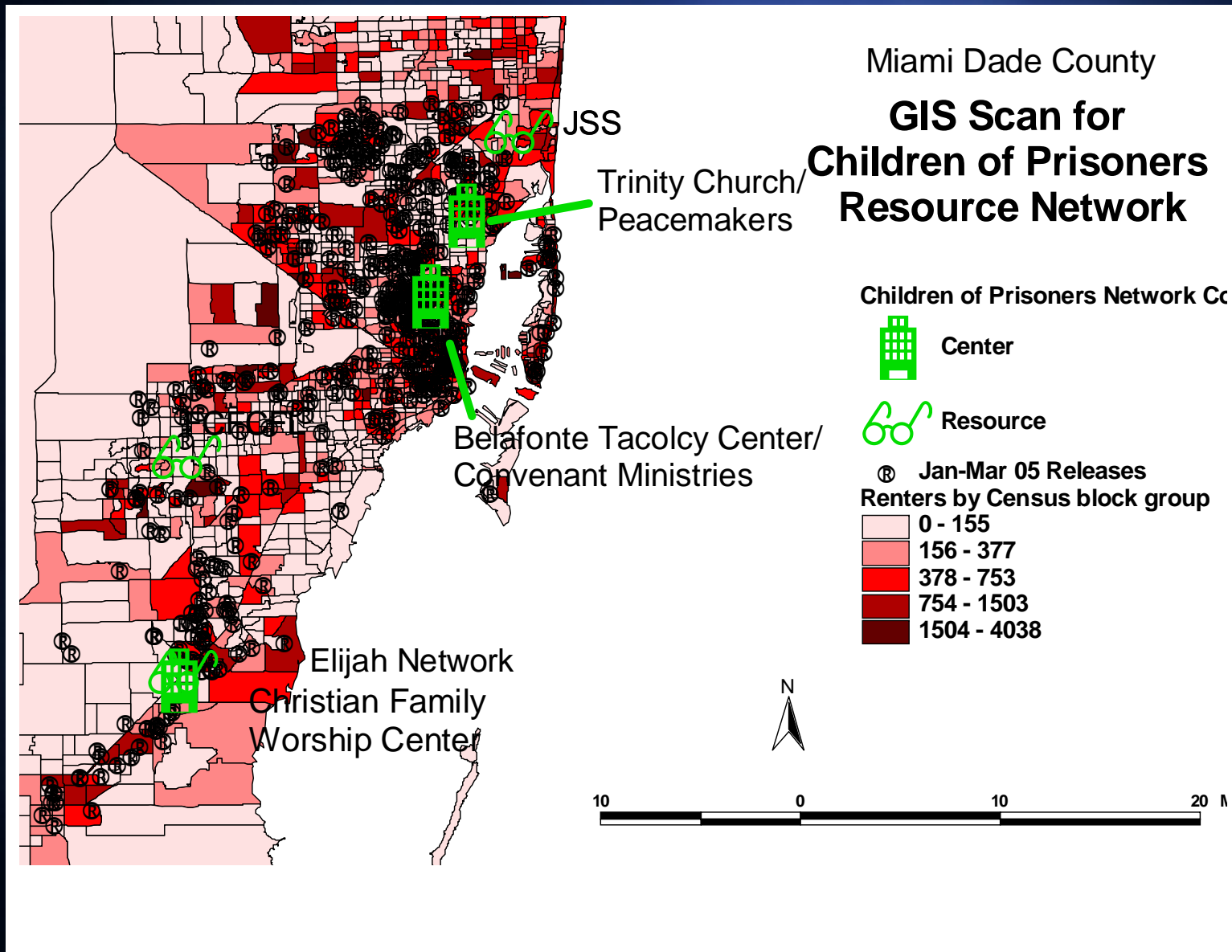
# South Dade ReEntry Strategy Issues...

Miami Dade County  
**GIS Scan for  
Children of Prisoners  
Resource Network**



**Renters by Census block group**





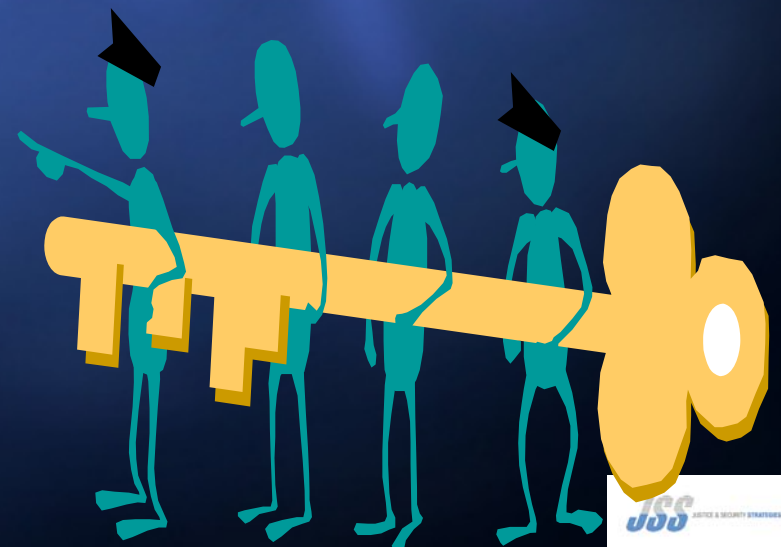


# Challenges & Unexpected Benefits

- Lack of Electronic Data
- Lack of Cross Jurisdictional Data
- Bad Address Data
- Staying Focused
- Willingness to talk across jurisdictional boundaries
- Demonstrated use of GIS beyond electronic pin maps
- Basis of information to use in applying for additional resources



*Working off the same page!!*





# Next Steps

- Continue to compile, link and analyze data
- Conduct evaluation of implementation of strategy
  - Produce more detailed analysis on Level 1 & 2 offenders and impacts of removal on hot spots
  - Assess impacts of prevention strategies
- Build capacity of Southern District of Florida partners



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